

ABBY ENSCOE

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OBJECTIVE: To apply my physics, math, engineering, and construction experience to creatively solving real-world social and environmental problems in a stimulating intellectual environment.

EDUCATION:

University of California, Berkeley, M.Eng. in Structural Engineering with minors in Sustainability and Earthquakes, May 2009

Relevant Coursework:

Mechanics of Solids, Structural Analysis Theory and Applications, Nonlinear Structural Analysis, Dynamics of Structures, Advanced Earthquake Analysis, Civil Systems and the Environment, Technologies for Sustainable Societies, Energy and Society, Climate Change Mitigation, Design for Sustainable Communities

Awards:

Selected Professions Fellow, American Association of University Women
Ada I. Pressman Memorial Scholar, Society of Women Engineers

Leadership:

President, Women of SEMM
Student Leadership Council, Earthquake Engineering Research Institute

Harvard University, B.S. with honors in Physics, June 2003

Relevant Coursework:

Mechanics and Special Relativity, Introductory Electromagnetism, Wave Phenomena, Quantum Mechanics, Elementary Particle Physics, Complex and Fourier Analysis, Ordinary and Partial Differential Equations

Awards:

Harvard College Scholarship, 1999-2000 and 2000-2001

EXPERIENCE:

Forell/Elssesser Engineers, Inc.: Intern Structural Engineer, San Francisco, CA Summer 2008

- Designed structural components and created computer models for a wide variety of engineering projects

City of Berkeley Adventure Playground: Recreation Leader, Berkeley, CA 2006—2007

- Taught children carpentry, maintained playground safety, and managed trainees and volunteers
- Managed volunteers at the annual Shoreline Cleanup and during the 2007 oil spill response

Baywood Building and Design: Carpenter, Emeryville, CA 2004—2005

- Worked on all phases of several high-end construction projects, including restaurants and residential remodels

Habitat for Humanity East Bay: Construction Crew Leader, Oakland, CA 2003—2004

- Built affordable homes, performing all aspects of construction from formwork to finish work
- Taught, managed, and worked alongside diverse groups of up to 60 volunteers
- Implemented a wide variety of green building elements, including passive solar design and fly ash concrete

SKILLS:

- Matlab, Microsoft Word, Microsoft Excel, Microsoft Powerpoint, ETABS
- Carpentry, green-building, model-building, prototyping
- Life-cycle assessment, energy analysis
- Spanish, volunteer management, research, grant writing

INTERESTS:

- Energy efficiency, passive heating/cooling, moving waste products into the supply stream, climate change mitigation, sustainable development, affordable technologies for the developing world
- Photography, sketching, backpacking/hiking, soccer, basketball, stone-carving, woodworking, guitar, Borges